

DETAIL A  
SHELTER ANCHOR SCHEME  
NO SCALE  
(TYP 6 PLCS)

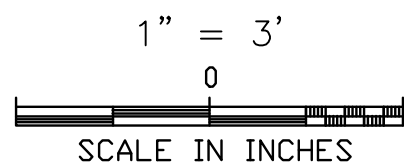
DETAIL B  
SHELTER ANCHOR BOLT  
NO SCALE  
(NOTE 7)

## INSTALLATION NOTES

- CONCRETE SHALL DEVELOP 3000 PSI IN 28 DAYS WITH A MAXIMUM SLUMP OF 4". MAXIMUM AGGREGATE SIZE SHALL BE 3/4".
- FOUNDATION DEPTH SHOWN IS MINIMUM AND MAY VARY DUE TO LOCAL SOIL CONDITIONS OR FROST DEPTH (MINIMUM 1' BELOW FROST).
- INSTALL 20 TONS OF CLASS 2 ROAD BASE SURFACING AROUND THE FOUNDATION AND AREAS OF DISTURBANCE, TO MATCH EXISTING PLOT PLAN.
- IF FILL OR GRADING IS REQUIRED IT SHALL BE CLASS 2 ROAD BASE AND BUILT UP IN LAYERS NOT EXCEEDING 6". EACH LAYER SHALL BE THOROUGHLY TAMPED AND COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM WATER CONTENT. GRADING OF SOIL AND ROCK SHOULD BE SUCH THAT ALL DRAINAGE IS AWAY FROM FOUNDATIONS.
- NOT USED.
- CONCRETE FOUNDATION BASED ON 3000 PSF VERTICAL SOIL BEARING PRESSURE AND 200 PSF LATERAL SOIL BEARING PRESSURE PER FT. BELOW SURFACE.
- ANCHOR BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALV. STEEL PER ASTM-A153 AND ASTM-A325.
- GRADE BEAM FOUNDATION ELEVATIONS SHALL BE HORIZONTALLY LEVEL WITH EACH OTHER  $\pm 1/4"$ . INDIVIDUAL GRADE BEAM SURFACES MUST BE LEVEL  $\pm 1/8"$ .
- THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER FOR THE USE OF THE CRANE TO LIFT THE SHELTERS.

SHELTER LIFTING DATA:  
SIZE-10' X 12' X 9.5' TALL  
WEIGHT-7000 LBS. APPROXIMATE  
METHOD-LIFTING RINGS ARE PROVIDED IN THE SHELTER  
SUPPORT "I" BEAMS. ALLOWING CRANE LOADING AND  
UNLOADING SPREADER BARS ARE REQUIRED BETWEEN CABLES.

- ANCHOR BOLTS MAY BE REPLACED WITH EPOXY ANCHORED THREADED ROD AT THE SUBCONTRACTOR'S DISCRETION AND COST. EPOXY SHALL BE "ITW RAMSET RED HEAD ACRYLIC 7" OR EQUIVALENT WITH A MINIMUM TENSION SHEAR OF 4500 PSI [316 kg/cm<sup>2</sup>] WHEN SET. THREADED ROD SHALL BE 3/4"-10 UNC STAINLESS STEEL. INSTALL ROD PER MANUFACTURER'S RECOMMENDATION LEAVING 2 1/8" ABOVE THE CONCRETE.



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| REVISION  | DATE                             | DESCRIPTION | CHECKED                                | APPROVED |
| DEPARTMENT OF TRANSPORTATION<br><b>FEDERAL AVIATION ADMINISTRATION</b><br>WESTERN PACIFIC REGIONLOS ANGELES, CALIF. |                                  |             |  |          |
| OAKLAND, CALIFORNIA<br>RWY 29 GLIDESLOPE<br>REPLACE ELECTRONIC EQUIPMENT SHELTER<br>GLIDESLOPE FOUNDATION DETAILS   |                                  |             |  |          |
| REVIEWED BY   | SUBMITTED BY<br>MICHAEL BRUNDAGE |             | APPROVED BY<br>CLIFF RUSTAD            |          |
|   | SENIOR OPERATIONS ENGINEER       |             | MGR, INFRASTRUCTURE SUPPORT CENTER, LA |          |
|   | DESIGNED BY<br>BRUNDAGE          | DATE        | DRAWING NO.                            |          |
|   | DRAWN BY<br>BRUNDAGE/ACAD2009    | 04/23/09    | OAK-D-ILS29-S102                       |          |
|   | CHECKED BY                       |             |  |          |